PU030282

Customer Number 24498 Serial No.: 10/575,676

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Jill MacDonald Boyce; Cristina Gomila, Joan Llach

Alexandros Tourapis; Jeffrey Cooper; Peng Yin

Serial No.:

10/575,676

Filed:

October 25, 2006

For:

TECHNIQUE FOR BIT-ACCURATE FILM GRAIN

SIMULATION

Examiner:

Anand P. Bhatnagar

Art Unit:

2624

(SUPPLEMENTAL) INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.97(b)

[within 3 months of filing or prior to 1st Office Action]

[] 2 Certification Pursuant to 37 CFR 1.97(c)

[before Final Office Action or Allowance]

[] 3 Fee Payment Pursuant to 37 CFR 1.97(c)

[before Final Office Action or Allowance]

[] 4 Certification & Submission Fee Payment Pursuant to 37 CFR 1.97(d) [before issue fee payment]

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

[XX] 5 List of documents on form PTO-SB08a (b) together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

37 CFR 1.97(b):

[within 3 months of filing or prior to 1st Office Action]

/n 7

37 CFR 1.97(c):

[before Final Office Action or Allowance, whichever

is earlier]; and

[] 8 The required certification made in item 11 below; or

[] 9 The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

[] 10 37 CFR§ 1.97(d): [before issue fee payment]; and

(a) The \$180.00 fee specified in 37 CFR §1.17(p) for submission

of this Information Disclosure Statement is authorized in item 14 below.

(b) The required Certification is stated in item 11 below.

[] 11 Certification

[] 12 That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

[] 13 That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

[XX] 14 If any fees are due, please charge the applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0832.

Respectfully Submitted,

BY:

Robert B/Levy

Senior Patent Counsel Registration No. 28,234

(609) 734-6820

Thomson Licensing LLC. Two Independence Way

P.O. Box 5312

Princeton, New Jersey 08543

Date:

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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO Complete if Known Application Number 10/575,676 INFORMATION DISCLOSURE October 25, 2006 Filing Date STATEMENT BY APPLICANT First Named Inventor Jill MacDonald Boyce Art Unit (Use as many sheets as necessary) Examiner Name Anad P. Bhatnagar PU030282 Sheet of Attorney Docket Number

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant
initials *	No.	Number - Kind Code ² (if known)	WIWI-DD-TTTT		Fassages of Relevant
		US-5550815	08-27-1996	Cloonan et al	
		US-5659382	08-19-1997	Rybczynski	
		US-5917609	06-29-1999	Breeuwer et al	
		US-6219838	04-17-2001	Cherichetti et al	
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		FOREIGN PA	TENT DOCU	MENTS		
		Foreign Patent Document	Publication Date MM-DD-YYYY		Pages, Columns, Lines, Where	
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)		Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	T ⁶
		EP 0364285	04-18-1990	M.I.T		
- "		EP0575006	12-22-1993	Kodak		
		EP0756281	01-29-1997	Sony		
		EP 1511320	03-02-2005	Matsushita		
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		WO 02/33958	04-25-2002	Kodak		
		WO 97/10676	03-20-1997	Philips		
		WO 2004/034518	04-14-2005	Thomson		
		WO 2004/095829	11-04-2004	Thomson		

Examiner Signature	Date Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute fo	Substitute for form 1449A/PTO			Complete if Known		
••				Application Number	10/575,676	
INFO	RMATION	DIS	CLOSURE	Filing Date	October 25, 2006	
STAT	STATEMENT BY APPLICANT			First Named Inventor	Jill MacDonald Boyce	
				Art Unit	2624	
	(Use as many sheets as necessary)		Examiner Name	Anad P. Bhatnagar		
Sheet	2	of	7	Attorney Docket Number	PU030282	

			U.S. PATENT	OCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	No.¹	Number - Kind Code ² (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear
		US-2006/0083316	04-20-2006	Cooper et al	
_		US-2006/0083426	04-20-2006	Cooper et al	
		US-2006/0182183	08-17-2006	Winger	
		US-2006/0291557	12-28-2006	Tourapis	
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		US-2007/0036452	02-15-2007	Llach et al	
	I	US-2007/0047658	03-01-2007	Tourapis et al	
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		US- 2007/0002974	01-04-2007	Lu et al	
		US- 2004/0013308	01-22-2004	Jeon et al	
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		US- 6327391	12-04-2001	Ohnisi et al	
		US- 6496221	12-17-2002	Wolf et al	
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		Foreign Patent Document			Pages, Columns,	
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		WO 2005/027045	03-24-2005	Thomson		
		WO 2005/039189	04-28-2005	Thomson		
		WO 2006/057703	06-01-2006	Thomson		
		JP 4-097681	03-30-1992	Nippon T & T		Abstract
		JP 8-079765	03-22-1996	Sony		Abstract
_		JP 8-149466	06-07-1996	Sanyo		MT
=		JP 9-062718	03-07-1997	Sony		Abstract
	<u> </u>	JP 2001/357090	12-26-2001	Hitachi Ltd	=US2001056568	

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Translation is a straction.

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Substitute fo	r form 1449A/PTO				Complete if Known
				Application Number	10/575,676
INFO	RMATION	DIS	CLOSURE	Filing Date	October 25, 2006
STAT	STATEMENT BY APPLICANT			First Named Inventor	Jill MacDonald Boyce
				Art Unit	2624
	(Use as many she	ets as	necessary)	Examiner Name	Anad P. Bhatnagar
Sheet	3	of	7	Attorney Docket Number	PU030282

			U.S. PATENT	OCUMENTS		
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear	
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Examiner Cite No.1		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where	
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	T ⁶
		JP 2002/359845	12-13-2005	Matsushita		MT
		JP 2007/529945	10-25-2007	Philips	=US2008/0252781	
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		-	-			

Examiner Signature Date Considered	
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Subs	stitute for form 144	9B/PTO			Complete if Known		
181		ON 514		Application Number	10/575,676		
			SCLOSURE	Filing Date	October 25, 2006		
ST	ATEMEN	TBYA	PPLICANT	First Named Inventor	Jill MacDonald Boyce		
				Art Unit	2624		
	(Use as ma	ny sheets a	s necessary)	Examiner Name	Anad P. Bhatnagar		
She	eet 4	of	7	Attorney Docket Number	PU030282		

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-iss number(s), publisher, city and/or country where published.					
		Office Action from SN 10/552,179 mailed September 1, 2010				
		Office Action from SN 10/556,833 mailed May 10, 2010				
		Final Office Action from SN 10/556,833 mailed October 20, 2010				
		Office Action from SN 10/556,833 mailed January 7, 2011	-			
		Office Action from SN 10/556,833 mailed February 15, 2011				
		Office Action from SN 10/556,833 mailed May 10, 2011				
-	i	Office Action from SN 10/556,833 mailed September 30, 2011				
		Final Office Action from SN 10/571,148 mailed May 12, 2010	-			
		Office Action from SN 10/571,148 mailed September 10,2010				
		Office Action from SN 10/572,820 mailed March 19, 2010				
		Office Action from SN 10/572,820 mailed May 11, 2010				

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Examiner	Date	
Signature	Considered	

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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1450.

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Substitute	e for form 1449B/PTO			Complete if Known			
INIEO	DILLETION	.	01 00UDE	Application Number	10/575,676		
	RMATION			Filing Date	October 25, 2006		
STAT	TEMENT BY	A	PPLICANT	First Named Inventor	Jill Macdonald Boyce		
				Art Unit	2624		
(Use as many sheets as necessary)				Examiner Name	Anad P. Bhatnagar		
Sheet	5	of	7	Attorney Docket Number	PU030282		

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1						
		Final Office Action from SN 10/572,820 mailed September 30, 2010					
		Office Action from SN 11/246,848 mailed July 6, 2010					
.		Final Office Action from SN 11/246,848 mailed October 13, 2010	 				
		Office Action from SN 11/268,070 mailed July 21,2010					
		Final Office Action from SN 11/268,070 November 12,2010					
		Office Action from SN 11/268,070 mailed January 11, 2011					
		Office Action from SN 11,268,070 mailed June 22, 2011					
		Final Office Action from SN 11/273,067 mailed August 4, 2010					
<u>. </u>		Office Action from SN 11/284,378 mailed August 31, 2010					
		Office Action from SN 11/284,378 mailed December 22, 2010					
		Office Action from SN 11/667581 mailed June 8, 2011					

Examiner	Date	
Signature	Considered	

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Substitute	for form 1449B/PTC	,			Complete if Known	
INIEO	D	D 10	OL COLIDE	Application Number	10/575,676	
			CLOSURE	Filing Date	October 25, 2006	
STAT	EMENT B	ΥA	PPLICANT	First Named Inventor	Jill MacDonald Boyce	
				Art Unit	2624	
	(Use as many she	ets as	necessary)	Examiner Name	Anad P. Bhatnagar	
Sheet	6	of	7	Attorney Docket Number	PU030282	フ

		NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1					
_		Final Office Action from SN 11/667,581 mailed October 14, 2011				
		Office Action from SN 11/667,629 mailed July 9, 2010	-			
		Final Office Action from SN 11/667,629 mailed November 19, 2010				
		Office Action from SN 11/667,629 mailed January 13, 2011				
		Final Office Action from SN 11/667,629 mailed April 22, 2011				
		Office Action from SN 11/667,816 mailed September 15, 2011				
		Final Office Action from SN 11/667,816 mailed December 5, 2011				
		Office Action from SN 11/667,846 mailed October 4, 2011	ļ			
		Office Action from SN 12/589,217 mailed July 13, 2010				
		Final Office Action from SN 12/589,217 mailed October 28, 2010				
		Office Action from SN 12/589,217 December 2, 2010				

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Substitute	o for form 1449	В/РТО			Complete if Known	
INIEO	DAGATI	AN DIG	OL COURT	Application Number	10/575,676	
			CLOSURE	Filing Date	October 25, 2006	
STA	LEMEN.	T BY A	PPLICANT	First Named Inventor	Jill MacDonald Boyce	
				Art Unit	2624	_
(Use as many sheets as necessary)				Examiner Name	Anad P. Bhatnagar	
Sheet	7	of	7	Attorney Docket Number	PU030282	

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
		GOMILA et al: "Film Grain Modeling vs. Encoding ", May 23-27, 2003. JVT of ISO/IEC MPEG & ITU-T VCEG 11 th Meeting, Munich, DE, March 15-19, 2004					
	-	CONKLIN et al: "Dithering 5-Tap Filter for Inloop Deblocking", JVT of ISO/IEC MPEG & ITU-T VCEG, 3 rd Meeting, Fairfax, Virginia, May 6-10, 2002, pages 1-16.					
		BYUN et al: "Power Efficient MPEG-4 Decoder Featuring Low-Complexity Error Resilience", ASIC, 2002 Proceedings, 2002 IEEE ASIA-PACIFIC CONFERENCE on August 608, 2002, Piscataway, NJ USA, IEEE	•				
		TAKASHI et al: "A 60-MWMPEG4 VIDEO CODEC Using Clustered VoltageScaling with Variable Supple-Voltage Scheme"; IEEE Journal of Solid-State Circuits, IEEE Service Center, Piscataway, NJ USA, vol. 33, no. 11, November 1998, pages 1772-1778.					
		PURI et al: "Video Coding Using the H.264/MPEG-4 AVC Compression Standard", Signal Processing Image Communication, Elsevier Science Publishers, Amsterdam, NL. vol. 19, no. 9, October 1, 2004, pages 7993-849,					
		PIRSCH et al: "VLSI Architectures for Video Compression-A Survey", Proceedings of the IEEE, IEEE, New York, USA, vol. 83, no. 2, February 1, 1995, pages 220-246					

Examiner Signature		Date Considered	
	·····		

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